NOCOLOK® news

NOCOLOK®
New Brazing New Business

ISSUE 1/2011

New NOCOLOK® Team Member:

Toby Ding for Asia

From 1 May 2011 the global NOCOLOK® Team will be reinforced with a further expert in aluminium brazing. Toby Ding, 42, will support the NOCOLOK® team in Asia. Toby Ding lives in Shanghai and received his BSc, majoring in "metal science – metal material and heat treatment", in 1989.

He has worked for a number of companies in the heat exchanger industry as an engineer and is therefore well versed in the NOCOLOK® brazing process. Toby Ding has excellent contacts to Asian companies in the HVAC/R and automotive industry.

Within the NOCOLOK® team, Toby will be responsible for direct technical support to customers in Asia and in particular China. He will also be involved in the introduction of new processes and products, seeking on-site solutions to customers' challenges. A warm welcome to the global NOCOLOK® team.

Contact: Toby Ding
e-mail: toby.ding@solvay.com

NOCOLOK® goes Smartphone:

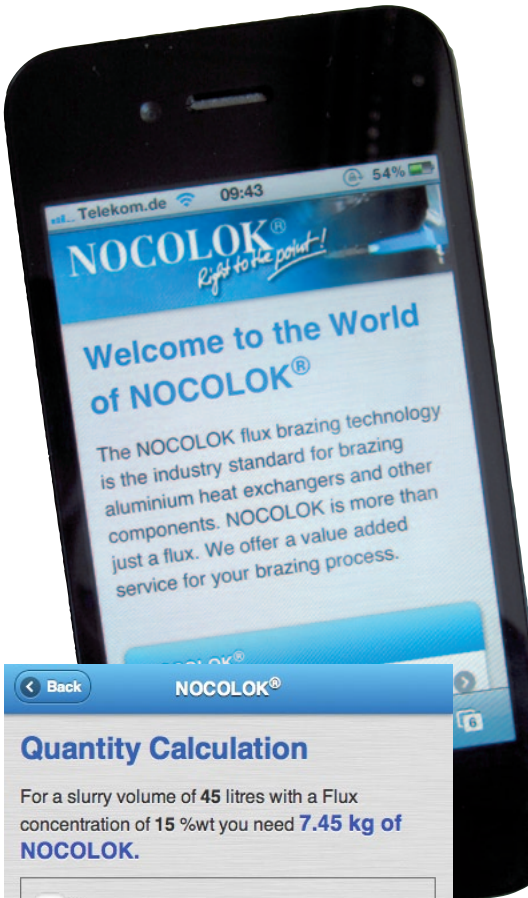
The NOCOLOK® App starts soon

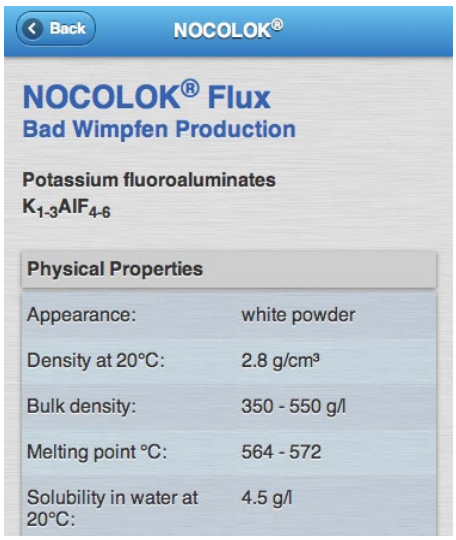
NOCOLOK® is a name synonymous with innovative products and solutions. No surprise then that Solvay Fluor is the first to provide a smartphone App for aluminium brazing. Comprehensive knowledge in a pocket-size format for all users in the aluminium industry is coming shortly. An absolute must-have for all smartphone users. The NOCOLOK® App will be available for iOS and Android, providing a wealth of useful information all about brazing with NOCOLOK®.

The App features a full listing of NOCOLOK® products sorted according to application, comprehensive key data and the new GHS classifications. All NOCOLOK® packaging units are clearly indicated with sizes and weights. The App comes complete with handy items, like a calculator for NOCOLOK® quantities in various slurry concentrations and a tool to calculate heat exchanger surface areas with details of the required quantity of NOCOLOK® in kg. And for those seeking more specifics, the NOCOLOK® Encyclopedia presents information about aluminium brazing technology.

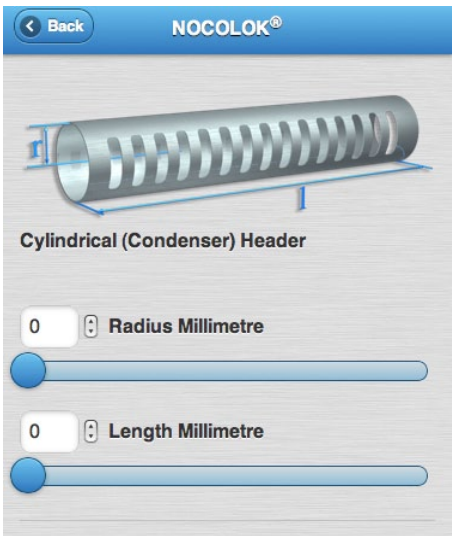
The NOCOLOK® App is currently undergoing beta testing and will be presented at the Aluminium Heat Exchangers Technologies Congress in Düsseldorf.

Registered newsletter subscribers will be informed as soon as the App is available as a free download.

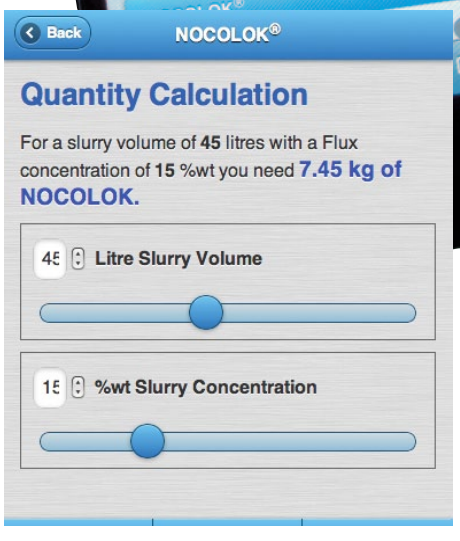




The App provides detailed information about all NOCOLOK® products.



A special program can calculate the surface area of aluminium heat exchangers.



How many kilograms of NOCOLOK® do you need for 45 litres of slurry with a concentration of 15%? The slurry calculator quickly gives you the answer.

Paste:

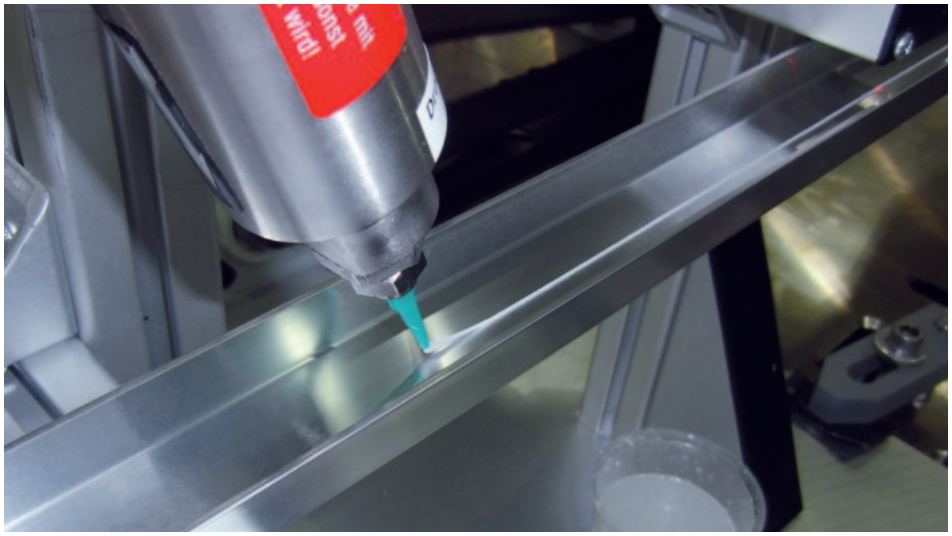
The NOCOLOK® X-Factor

X-Factor, our latest addition of products to the NOCOLOK® lineup. X-Factor products are best described as the basic ancillary products needed for our CAB customers to provide additional flux or braze alloy at focused locations. These products include flux pastes with or without alloys.

In the non-alloy line up we have NOCOLOK® Ultra Flux Paste, better known in practice as B-Tube paste or header flux paste. This product is primarily for customers who need to apply a stripe of flux along a folded axis of tube during the manufacturing process.

The second most common application for this product is header fluxing. This is when an additional boost of flux is needed in the tube to header area, typically applied by an operator after the wash or prior to the dry-off oven.

In the alloy line up we have NOCOLOK® Braze Paste: X47-12, X45-10 X43-7. The respective product names indicate the following alloys AA4047, AA4045 and AA4343. The tacky viscous paste is used to join materials where braze filler metal alloy is needed.



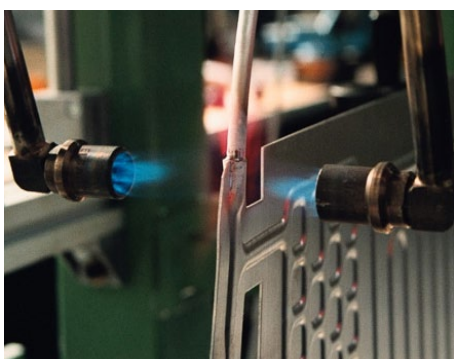
New Product:

$CsAlF_4$ for Flame Brazing

Cs-Al-F compounds are used as low melting fluxes. The melting range is between 420 and 480°C. Typically $CsAlF_4$ flux is used for flame brazing with Zn/Al filler alloys (Zn/Al 2-25). This results in a process temperature close to or slightly below 500°C. Joining of aluminum to aluminum as well as joining of aluminum to copper components is feasible.

Solvay Fluor offers $CsAlF_4$ in a plastic bucket with lid and inner PE bag, 20 kg net weight and a cardboard drum with plastic lid and inner PE bag, 40 kg net weight.

You can order samples of $CsAlF_4$ from Annette Daubner by e-mail:
annette.daubner@solvay.com



Brazing Events 2011

- **Aluminium Heat Exchangers Technologies for HVAC&R and Refrigeration**
  May 5 – 6, 2011 in Düsseldorf, Germany. Radisson Blue Scandinavia Hotel
  www.alu-media-portal.de
- **VTMS 10 – Vehicle Thermal Management Systems**
  May 15 – 19, 2011
  Heritage Motor Centre
  Banbury Road, Gaydon
  Warwickshire, CV35 0BJ
  United Kingdom
  events.imeche.org

In planning stage:

- ***EABS Seminar at Solvay Fluor, Hannover***
  October 5 and 6, 2011, more details: www.brazingandsoldering.org/PDF/solvay_2011_seminar_programme.pdf

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presents information for NOCOLOK® users.

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www.youtube.com/nocolokflux

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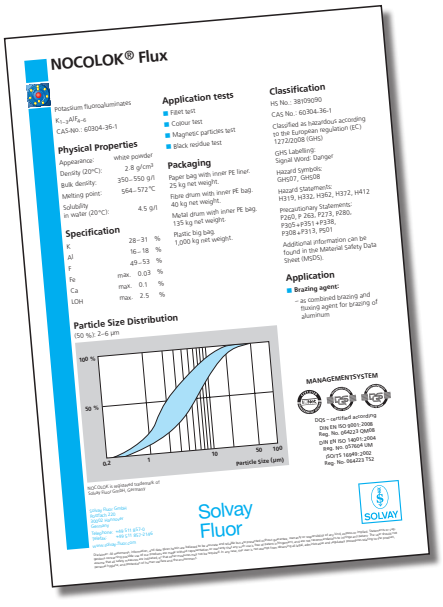
GHS Classification:

Updated Product Information

The EU version of the worldwide GHS system (Globally Harmonised System) started on Dec 1, 2010. It is Regulation 1272/2008, named CLP – Classification, Labelling and Packaging. We have updated all NOCOLOK product information (English/German) with the new GHS classification. The PDFs of the product information PDFs are available for download on our website www.nocolok.com and the NOCOLOK® download site. If you need a Material Safety Data Sheet (MSDS) for a NOCOLOK® product, please contact Annette Daubner.



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